Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

1 – 25.   (Canceled)

26. (previously presented) A method, comprising:

a) sending a message onto a network from a client to a server that requests a portion of an amount of data from said server wherein the total amount of said amount of data that is:

1) requested by said client from said server through one or more messages and

2) not received by said client

is within a limit that controls how much of said amount of data is in transit on said network, said limit being maintained by said client and,

b) starting a timer at said client that times how long it takes for any piece of said portion to be received at said client; and

c) sending a second message from said client to said server for another portion of said amount of data, said sending a second message in response to a reception of at least a piece of said portion, said reception occurring no later than an expiration of said timer.

27. (previously presented) The method of claim 26 wherein said another portion is the same size as said at least a piece of said portion.

28. (previously presented) The method of claim 26 wherein the size of said another portion is the minimum of:

    1) the size of said at least a piece of said portion

    2) said limit minus an amount of said data that is characterized as being "in transit" on said network.

    3) a second limit that sets a limit on the maximum amount of data that may be requested by said client in said second message

    4) a third limit that sets a limit on the maximum amount of said data that may be sent by said server to said client as a result of said server's reception of said second message.

29. (previously presented) The method of claim 26 wherein said client tracks various portions of said amount of data over the course of a transaction in which said amount of data is eventually transported from said server to said client, said various portions being tracked according to the following set of characteristics:

    1) those one or more portions that have been received from said server before the expiration of its timer.

    2) those one or more portions for whom a requesting message has been sent onto said network from said client to said server and whose timer has not yet expired.

Application No. 09/677,040   3   Atty. Docket no. 04098.P002
Amdt. dated March 29, 2006
Reply to Office Action of October 31, 2005

3) those one or more portions that are neither characteristic 1) or characteristic 2).

30. (currently amended) A method, comprising:

tracking a plurality of portions of an amount of data over the course of a transaction in which said amount of data is eventually transported from a server to a client, said plurality of portions being tracked by said client consistent with the following set of characteristics:

1) those one or more portions that have been received from said server before the expiration of its timer.

2) those one or more portions for whom a requesting message has been sent onto ~~said~~ a network from said client to said server and whose timer has not yet expired.

3) those one or more portions that are neither characteristic 1) or characteristic 2)   .

wherein when said amount of data is viewed as being contiguous, such that a next piece of said amount of data is adjacent to a piece of said amount of data from the perspective of said piece of said amount of data, a first portion having characteristic 1) is between a second and third portions having characteristic 2).

31. (previously presented) The method of claim 30 further comprising re-characterizing a specific portion of said amount of data from characteristic 2) to characteristic 1) as a result of said specific portion being received at said client, said specific portion being received prior to the expiration of its timer.

32. (previously presented) The method of claim 30 further comprising re-characterizing

a specific portion of said amount of data from characteristic 2) to characteristic 3) as

a result of said specific portion not having been received at said client after the

expiration of its timer.

33. (previously presented) The method of claim 32 further comprising sending another

message onto said network from said client to said server that requests said specific

portion, and, starting another timer for said specific portion, and, re-characterizing

said specific portion from characteristic 3) to characteristic 2).

34. (previously presented) The method of claim 33 further comprising re-characterizing

said specific portion from characteristic 2) to characteristic 1) as a result of said

specific portion being received at said client, said specific portion being received

prior to the expiration of its said another timer.

35. (previously presented) The method of claim 30 further comprising ignoring a second

reception of a specific portion from characteristic 1) at said client.

36. (previously presented) The method of claim 30 wherein said characteristic 3) is

further resolved into the following characteristics:

   3a) those of said portions for whom a requesting message has been sent

   onto said network from said client to said server and whose timer has

expired, but, who are not yet permitted to have another requesting

message sent from said client to said server.

3b) those of said portions for whom a requesting message may be sent onto

said network from said client to said server.

37. (previously presented) The method of claim 36 further comprising re-characterizing

a specific portion from said characteristic 3a) to said characteristic 3b) after a period

of time has elapsed beyond the expiration of a timer for said specific portion.

38. (previously presented) The method of claim 36 further comprising re-characterizing

a specific portion from said characteristic 3b) to said characteristic 2) as a result of a

decision to prepare another requesting message from said client to said server for

said specific portion.

39. (previously presented) The method of claim 36 further comprising reducing a limit

that limits the combined size of those portions allowed to have characteristic 2) as a

result of a specific portion of said amount of data having its timer expire so as to be

re-characterized from characteristic 2) to characteristic 3a).

40. (previously presented) The method of claim 39 wherein said reducing is an amount

that is the same size as said specific portion.

41. (previously presented) The method of claim 39 further comprising re-characterizing said specific portion from said characteristic 3a) to said characteristic 1) as a result of said specific portion having been received by said client.

42. (previously presented) A machine readable medium having stored thereon a sequence of instructions which, when executed by a processing system, cause said processing system to perform a method, said method, comprising:

    a) sending a message onto a network from a client to a server that requests a portion of an amount of data from said server wherein the total amount of said amount of data that is:

        1) requested by said client from said server through one or more messages and

        2) not received by said client

        is within a limit that controls how much of said amount of data is in transit on said network, said limit being maintained by said client and,

    b) starting a timer at said client that times how long it takes for any piece of said portion to be received at said client; and

    c) sending a second message from said client to said server for another portion of said amount of data, said sending a second message in response to a reception of at least a piece of said portion, said reception occurring no later than an expiration of said timer.

Application No. 09/677,040   7   Atty. Docket no. 04098.P002
Amdt. dated March 29, 2006
Reply to Office Action of October 31, 2005

43. (previously presented) The machine readable medium of claim 42 wherein said another portion is the same size as said at least a piece of said portion.

44. (previously presented) The machine readable medium of claim 42 wherein the size of said another portion is the minimum of:

1) the size of said at least a piece of said portion

2) said limit minus an amount of said data that is characterized as being "in transit" on said network.

3) a second limit that sets a limit on the maximum amount of data that may be requested by said client in said second message

4) a third limit that sets a limit on the maximum amount of said data that may be sent by said server to said client as a result of said server's reception of said second message.

45. (previously presented) The machine readable medium of claim 42 wherein said client tracks various portions of said amount of data over the course of a transaction in which said amount of data is eventually transported from said server to said client, said various portions being tracked according to the following set of characteristics:

1) those one or more portions that have been received from said server before the expiration of its timer.

2) those one or more portions for whom a requesting message has been sent onto said network from said client to said server and whose timer has not yet expired.

Application No. 09/677,040   8   Atty. Docket no. 04098.P002
Amdt. dated March 29, 2006
Reply to Office Action of October 31, 2005

3) those one or more portions that are neither characteristic 1) or

characteristic 2).

46. (currently amended) A machine readable medium having stored thereon a

sequence of instructions which, when executed by a processing system, cause said

processing system to perform a method, said method comprising:

tracking a plurality of portions of an amount of data over the course of a transaction

in which said amount of data is eventually transported from a server to a client, said

plurality of portions being tracked by said client consistent with the following set of

characteristics:

    1) those one or more portions that have been received from said server before

    the expiration of its timer.

    2) those one or more portions for whom a requesting message has been sent

    onto ~~said~~ a network from said client to said server and whose timer has not

    yet expired.

    3) those one or more portions that are neither characteristic 1) or characteristic 2)

wherein when said amount of data is viewed as being contiguous, such that a next

piece of said amount of data is adjacent to a piece of said amount of data from the

perspective of said piece of said amount of data, a first portion having characteristic

1) is between a second and third portions having characteristic 2).

47. (previously presented) The machine readable medium of claim 46 wherein said

method further comprises re-characterizing a specific portion of said amount of data

Application No. 09/677,040   9   Atty. Docket no. 04098.P002
Amdt. dated March 29, 2006
Reply to Office Action of October 31, 2005

from characteristic 2) to characteristic 1) as a result of said specific portion being received at said client, said specific portion being received prior to the expiration of its timer.

48. (previously presented) The machine readable medium of claim 46 wherein said method further comprises re-characterizing a specific portion of said amount of data from characteristic 2) to characteristic 3) as a result of said specific portion not having been received at said client after the expiration of its timer.

49. (previously presented) The machine readable medium of claim 48 wherein said method further comprises sending another message onto said network from said client to said server that requests said specific portion, and, starting another timer for said specific portion, and, re-characterizing said specific portion from characteristic 3) to characteristic 2).

50. (previously presented) The machine readable medium of claim 49 wherein said method further comprises re-characterizing said specific portion from characteristic 2) to characteristic 1) as a result of said specific portion being received at said client, said specific portion being received prior to the expiration of its said another timer.

51. (previously presented) The machine readable medium of claim 46 wherein said method further comprises ignoring a second reception of a specific portion at said client.

52. (previously presented) The machine readable medium of claim 46 wherein said

characteristic 3) is further resolved into the following characteristics:

   3a) those of said portions for whom a requesting message has been sent

   onto said network from said client to said server and whose timer has expired,

   but, who are not yet permitted to have another requesting message sent from

   said client to said server.

   3b) those of said portions for whom a requesting message may be sent onto

   said network from said client to said server.

53. (previously presented) The machine readable medium of claim 52 wherein said

   method further comprises re-characterizing a specific portion from said characteristic

   3a) to said characteristic 3b) after a period of time has elapsed beyond the

   expiration of a timer for said specific portion.

54. (previously presented) The machine readable medium of claim 52 wherein said

method further comprises re-characterizing a specific portion from said characteristic

   3b) to said characteristic 2) as a result of decision to prepare another requesting

   message from said client to said server for said specific portion.

55. (previously presented) The machine readable medium of claim 52 wherein said

   method further comprises reducing a limit that limits the combined size of those

   portions allowed to have characteristic 2) as a result of a specific portion of said

amount of data having its timer expire so as to be re-characterized from

characteristic 2) to characteristic 3a).

56. (previously presented) The machine readable medium of claim 55 wherein said

reducing is an amount that is the same size as said specific portion.

57. (previously presented) The machine readable medium of claim 55 wherein said

method further comprises re-characterizing said specific portion from said

characteristic 3a) to said characteristic 1) as a result of said specific portion having

been received by said client.